What Is Claimed Is:

1. A system for network device upgrade, comprising:

a computer system for outputting a first packet and a second packet, the first packet comprising at least version identification for upgrade data, and the second packet comprising at least the upgrade data;

a switching device connected to the computer system;

a plurality of network devices connected to the switching device to receive the first and second packets, receiving the first package to individually generate non-repetitive IP addresses corresponding to the computer system, selectively generating an upgrade request according to the version identification data in the first packet, and outputting an upgrade request to the computer system;

wherein the computer system receives the upgrade request, and outputs the second package according to the IP addresses of the plurality of network devices, by which the plurality of network devices is upgraded.

2. The system as claimed in claim 1, wherein the plurality of network devices receives the second package, compares the upgrade data therein with existing stored data, and generates new firmware according thereto, writing the update to flash memory.

3. The system as claimed in claim 1, wherein an IP address comprises an immobile part and an alteration part, the immobile

part decided by a media access control address of a network device, the immobile part corresponding to a subnet of the computer system.

4. The system as claimed in claim 1, wherein the plurality of network devices receives the first package to generate a subnet mask and a routing table, the subnet mask and the routing table corresponding to the computer system.

5. The system as claimed in claim 1, wherein the plurality of network devices comprises TCP/IP protocol network devices.

6. The system as claimed in claim 1, wherein the computer system outputs the first package to the plurality of network devices.

7. The system as claimed in claim 1, wherein version identification data of the upgrade data comprises a file name of the upgrade data.

8. A method for network device upgrade utilizing a computer system with a plurality of network devices connected thereto, comprising the steps of:

outputting a first package from the computer system to the plurality of network devices, comprising at least version identification corresponding to upgrade data;

receiving the first package utilizing the plurality of network devices, wherein the plurality of network

devices generate non-repetitive IP addresses corresponding to the computer system;

selectively generating an upgrade request and outputting the upgrade request to the computer system for utilizing the plurality of network devices according to the version identification data of the upgrade data;

outputting a second package comprising upgrade data to the plurality of network devices according to IP addresses thereof, the plurality of network devices then outputting an upgrade request to the computer system; and

upgrading the plurality of network devices completely according to the upgrade data in the second package.

9. The method as claimed in claim 8, wherein the plurality of network devices compares the update data and existing data stored therein to generate upgrade data, generate new firmware according to the upgrade data, and writes the new firmware to flash memory.

10. The method as claimed in claim 8, further comprising checking a length of the version identification data of upgrade data.

11. The method as claimed in claim 8, wherein an IP address comprises an immobile part and an alteration part, the immobile part decided by a media access control address of the network device, and the immobile part corresponding to a subnet of the computer system.

12. The method as claimed in claim 8, wherein in the plurality of network devices generate a subnet mask and a routing table, and the subnet mask and the routing table corresponding to the computer system.

13. The method as claimed in claim 8, wherein the plurality of network devices are TCP/IP protocol network device.

14. The method as claimed in claim 8, wherein the computer system outputs the first package to the plurality of network devices.

15. The method as claimed in claim 8, wherein comprising checking a signature of the second package for validity.

16. The method as claimed in claim 8, wherein the version identification data of the upgrade data comprises a file name of the upgrade data.

17. A method for network device upgrade for a network device utilizing an external computer system executing the upgrade, comprising the steps of:

receiving a first package, comprising at least version identification corresponding to upgrade data;

generating an IP address according to the first package and a media access control address of the network device, the IP address corresponding to a subnet of the computer system;

generating an upgrade request according to the version identification data of the first package, and outputting the upgrade request;

receiving a second package comprising at least upgrade data;

generating upgrade data according to comparison of the upgrade data of the second package and existing data from the network device; and

writing new firmware to flash memory, the new firmware generated according to existing data.

18. The method as claimed in claim 17, further comprising checking the file size of the version identification of the upgrade data.

19. The method as claimed in claim 17, wherein the IP address comprises an immobile part and an alteration part, the immobile part decided by a media access control address of the network device, and the immobile part corresponding to a subnet of the computer system.

20. The method as claimed in claim 17, further comprising generating a subnet mask and a routing table, both corresponding to the computer system.